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OIKE

RAW SEQUENCE LISTING

DATE: 07/07/2001

PATENT APPLICATION: US/09/887,855

TIME: 14:38:13

Input Set : A:\2883-US Sequence Listing.txt

Output Set: N:\CRF3\07062001\I887855.raw

3 <110> APPLICANT: Immunex Corporation
 4 Anderson, Dirk M
 6 <120> TITLE OF INVENTION: LECTIN SS3939 DNA AND POLYPEPTIDES
 8 <130> FILE REFERENCE: 2883-US

C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/887,855

C--> 10 <141> CURRENT FILING DATE: 2001-06-22

10 <160> NUMBER OF SEQ ID NOS: 9

12 <170> SOFTWARE: PatentIn version 3.1

14 <210> SEQ ID NO: 1

15 <211> LENGTH: 2005

16 <212> TYPE: DNA

17 <213> ORGANISM: Homo sapiens

19 <400> SEQUENCE: 1

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 22 gcgcacccga gtcgggcccac gaggcgggga accgcgctac aggcctgtct gctggccgtg 120
 24 ctgctggtgg ggctgcgggc cgcgacgggt cgctctgctga gtgggcagcc agtctgcccg 180
 26 ggagggacac agaggccttg ttataaagtc atttacttcc atgatacttc tcgaagactc 240
 28 aacttttgagg aagccaaaga agcctgcagg agggatggag gccagctagt cagcatcgag 300
 30 tctgaagatg aacagaaact gatagaaaag ttcattgaaa acctcttgcc atctgatggt 360
 32 gactttctgga ttgggctcag gaggcgtgag gagaaacaaa gcaatagcac agcctgccag 420
 34 gacctttatg cttggactga tggcagcata tcacaattta ggaactggtg tgtggatgag 480
 36 ccgtcctgcg gcagcgaggt ctgcgtgggc atgtaccatc agccatcggc acccgctggc 540
 38 atcggaggcc cctacatggt ccagtggagt gatgaccggt gcaacatgaa gaacaatttc 600
 40 atttgcaaat attctgatga gaaaccagca gttccttcta gagaagctga aggtgaggaa 660
 42 acagagctga caacacctgt acttccagaa gaaacacagg aagaagatgc caaaaaaaca 720
 44 tttaaagaaa gtagagaagc tgccttgaat ctggcctaca tcctaatccc cagcattccc 780
 46 cttctcctcc tccttggtgt caaccacagt gtatgttggg ttggatctg tagaaaaaga 840
 48 aaacgggagc agccagaccc tagcacaag- aagcaacaca ccactctggc ctctcctcac 900
 50 cagggaaaca gccggaccc agaggtctac aatgtcataa gaaaacaaag cgaagctgac 960
 52 ttagctgaga cccggccaga cctgaagaat atttcattcc gagtgtgttc gggagaagcc 1020
 54 actccgatg acatgtcttg tgactatgac aacatggctg tgaaccatc agaaagtggg 1080
 56 tttgtgactc tgggtgagcgt ggagagtggg tttgtgacca atgacattta tgagttctcc 1140
 58 ccagacaaaa tggggaggag taaggagtct ggatgggtgg aaaatgaaat atatggttat 1200
 60 taggacatat aaaaaactga aactgacaac aatggaaaag aaatgataag caaaatcctc 1260
 62 ttattttcta taaggaaaat acacagaagg tctatgaaca agcttagatc aggtcctgtg 1320
 64 gatgagcatg tggccccac gacctcctgt tggaccccca cgttttggct gtatccttta 1380
 66 tccagccag tcattccagct cgaccttatg agaaggtacc ttgccaggt ctggcacata 1440
 68 gtagagtctc aataaatgtc acttggttgg ttgtatctaa cttttaaggg acagagcttt 1500
 70 acctggcagt gataaagatg ggctgtggag cttggaaaac cacctctgtt tccttgctc 1560
 72 tatacagcag cacatattat catacagaca gaaaatccag aatcttttca aagccacat 1620
 74 atggttagcac aggttgccct gtgcacggc aattctcata tctgtttttt tcaaagaata 1680
 76 aatcaaata aagagcagga aacagagtct tagtctgtgt ctacagccct tcctctgcat 1740
 78 gtggccacag gggacctttt tttgtttctc ctgacatoca gacttgaaa tatctaacta 1800
 80 cttgcaaaac taaaaatgag gccaggcgca gtggctgacg cctgtaatcc cagaaccttg 1860
 82 ggagaccaag attggaggat agcttgagtt caggagtccc agaccttcc gggcaaaata 1920
 84 gtgagactct gactctacaa aaaatttaaa aattagcagg gcatggtggc atgcgcctgc 1980
 86 agtcccgact actcaggagg ccgag 2005

ENTERED

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89 <210> SEQ ID NO: 2
90 <211> LENGTH: 374
91 <212> TYPE: PRT
92 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 2
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100 Val Gly Leu Arg Ala Ala Thr Gly Arg Leu Leu Ser Gly Gln Pro Val
101      20      25      30
104 Cys Arg Gly Gly Thr Gln Arg Pro Cys Tyr Lys Val Ile Tyr Phe His
105      35      40      45
108 Asp Thr Ser Arg Arg Leu Asn Phe Glu Glu Ala Lys Glu Ala Cys Arg
109      50      55      60
112 Arg Asp Gly Gly Gln Leu Val Ser Ile Glu Ser Glu Asp Glu Gln Lys
113 65      70      75      80
116 Leu Ile Glu Lys Phe Ile Glu Asn Leu Leu Pro Ser Asp Gly Asp Phe
117      85      90      95
120 Trp Ile Gly Leu Arg Arg Arg Glu Glu Lys Gln Ser Asn Ser Thr Ala
121      100     105     110
124 Cys Gln Asp Leu Tyr Ala Trp Thr Asp Gly Ser Ile Ser Gln Phe Arg
125      115     120     125
128 Asn Trp Tyr Val Asp Glu Pro Ser Cys Gly Ser Glu Val Cys Val Val
129      130     135     140
132 Met Tyr His Gln Pro Ser Ala Pro Ala Gly Ile Gly Gly Pro Tyr Met
133 145     150     155     160
136 Phe Gln Trp Asn Asp Asp Arg Cys Asn Met Lys Asn Asn Phe Ile Cys
137      165     170     175
140 Lys Tyr Ser Asp Glu Lys Pro Ala Val Pro Ser Arg Glu Ala Glu Gly
141      180     185     190
144 Glu Glu Thr Glu Leu Thr Thr Pro Val Leu Pro Glu Glu Thr Gln Glu
145      195     200     205
148 Glu Asp Ala Lys Lys Thr Phe Lys Glu Ser Arg Glu Ala Ala Leu Asn
149      210     215     220
152 Leu Ala Tyr Ile Leu Ile Pro Ser Ile Pro Leu Leu Leu Leu Leu Val
153 225     230     235     240
156 Val Thr Thr Val Val Cys Trp Val Trp Ile Cys Arg Lys Arg Lys Arg
157      245     250     255
160 Glu Gln Pro Asp Pro Ser Thr Lys Lys Gln His Thr Ile Trp Pro Ser
161      260     265     270
164 Pro His Gln Gly Asn Ser Pro Asp Leu Glu Val Tyr Asn Val Ile Arg
165      275     280     285
168 Lys Gln Ser Glu Ala Asp Leu Ala Glu Thr Arg Pro Asp Leu Lys Asn
169      290     295     300
172 Ile Ser Phe Arg Val Cys Ser Gly Glu Ala Thr Pro Asp Asp Met Ser
173 305     310     315     320
176 Cys Asp Tyr Asp Asn Met Ala Val Asn Pro Ser Glu Ser Gly Phe Val
177      325     330     335
180 Thr Leu Val Ser Val Glu Ser Gly Phe Val Thr Asn Asp Ile Tyr Glu
181      340     345     350

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184 Phe Ser Pro Asp Gln Met Gly Arg Ser Lys Glu Ser Gly Trp Val Glu
185           355                      360                      365
188 Asn Glu Ile Tyr Gly Tyr
189           370
192 <210> SEQ ID NO: 3
193 <211> LENGTH: 618
194 <212> TYPE: DNA
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 3
198 ggcacgggtc gcctgctgag tgggcagcca gtctgccggg gagggacaca gaggccttgt      60
200 tataaagtca ttactttcca tgatacttct cgaagactga actttgagga agccaaagaa      120
202 gcctgcagga gggatggagg ccagctagtc agcatcgagt ctgaagatga acagaaactg      180
204 atagaaaagt tcattgaaaa cctcttgcca tctgatgggt acttctggat tgggctcagg      240
206 aggcgtgagg agaaacaaag caatagcaca gcctgccagg acctttatgc ttggactgat      300
208 ggcagcatat cacaatttag gaactggtat gtggatgagc cgtcctgcgg cagcgaggtc      360
210 tgcgtggtca tgtaccatca gccatcgga cccgctggca tcggaggccc ctacatgttc      420
212 cagtggaatg atgaccggtg caacatgaag aacaatttca ttgcaaata ttctgatgag      480
214 aaaccagcag ttccttctag agaagctgaa ggtgaggaaa cagagctgac aacacctgta      540
216 cttccagaag aaacacagga agaagatgcc aaaaaaacat ttaaagaaag tagagaagct      600
218 gccttgaatc tggcctac                                     618
221 <210> SEQ ID NO: 4
222 <211> LENGTH: 378
223 <212> TYPE: DNA
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 4
227 tggatctgta gaaaaagaaa acgggagcag ccagacccta gcacaaagaa gcaacacacc      60
229 atctggccct ctctcacca gggaaacagc ccggaacctag aggtctacaa tgtcataaga      120
231 aaacaaagcg aagctgactt agctgagacc cggccagacc tgaagaatat ttcatccga      180
233 gtgtgttcgg gagaagccac tcccgatgac atgtcttggt actatgacaa catggctgtg      240
235 aacccatcag aaagtgggtt tgtgactctg gtgagcgtgg agagtggatt tgtgaccaat      300
237 gacatttatg agttctcccc agaccaaagt gggaggagta aggagtctgg atgggtggaa      360
239 aatgaaatat atggttat                                     378
242 <210> SEQ ID NO: 5
243 <211> LENGTH: 206
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 5
249 Ala Thr Gly Arg Leu Leu Ser Gly Gln Pro Val Cys Arg Gly Gly Thr
250 1           5                      10                      15
253 Gln Arg Pro Cys Tyr Lys Val Ile Tyr Phe His Asp Thr Ser Arg Arg
254           20                      25                      30
257 Leu Asn Phe Glu Glu Ala Lys Glu Ala Cys Arg Arg Asp Gly Gly Gln
258           35                      40                      45
261 Leu Val Ser Ile Glu Ser Glu Asp Glu Gln Lys Leu Ile Glu Lys Phe
262           50                      55                      60
265 Ile Glu Asn Leu Leu Pro Ser Asp Gly Asp Phe Trp Ile Gly Leu Arg
266 65           70                      75                      80
269 Arg Arg Glu Glu Lys Gln Ser Asn Ser Thr Ala Cys Gln Asp Leu Tyr
270           85                      90                      95

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273 Ala Trp Thr Asp Gly Ser Ile Ser Gln Phe Arg Asn Trp Tyr Val Asp
274                               100 105 110
277 Glu Pro Ser Cys Gly Ser Glu Val Cys Val Val Met Tyr His Gln Pro
278                               115 120 125
281 Ser Ala Pro Ala Gly Ile Gly Gly Pro Tyr Met Phe Gln Trp Asn Asp
282                               130 135 140
285 Asp Arg Cys Asn Met Lys Asn Asn Phe Ile Cys Lys Tyr Ser Asp Glu
286 145                               150 155 160
289 Lys Pro Ala Val Pro Ser Arg Glu Ala Glu Gly Glu Glu Thr Glu Leu
290                               165 170 175
293 Thr Thr Pro Val Leu Pro Glu Glu Thr Gln Glu Glu Asp Ala Lys Lys
294                               180 185 190
297 Thr Phe Lys Glu Ser Arg Glu Ala Ala Leu Asn Leu Ala Tyr
298                               195 200 205

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301 <210> SEQ ID NO: 6

302 <211> LENGTH: 126

303 <212> TYPE: PRT

304 <213> ORGANISM: Homo sapiens

306 <400> SEQUENCE: 6

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308 Trp Ile Cys Arg Lys Arg Lys Arg Glu Gln Pro Asp Pro Ser Thr Lys
309 1                               5 10 15
312 Lys Gln His Thr Ile Trp Pro Ser Pro His Gln Gly Asn Ser Pro Asp
313                               20 25 30
316 Leu Glu Val Tyr Asn Val Ile Arg Lys Gln Ser Glu Ala Asp Leu Ala
317                               35 40 45
320 Glu Thr Arg Pro Asp Leu Lys Asn Ile Ser Phe Arg Val Cys Ser Gly
321                               50 55 60
324 Glu Ala Thr Pro Asp Asp Met Ser Cys Asp Tyr Asp Asn Met Ala Val
325 65                               70 75 80
328 Asn Pro Ser Glu Ser Gly Phe Val Thr Leu Val Ser Val Glu Ser Gly
329                               85 90 95
332 Phe Val Thr Asn Asp Ile Tyr Glu Phe Ser Pro Asp Gln Met Gly Arg
333                               100 105 110
336 Ser Lys Glu Ser Gly Trp Val Glu Asn Glu Ile Tyr Gly Tyr
337                               115 120 125

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340 <210> SEQ ID NO: 7

341 <211> LENGTH: 8

342 <212> TYPE: PRT

343 <213> ORGANISM: Artificial Sequence

345 <220> FEATURE:

346 <223> OTHER INFORMATION: Description of Artificial Sequence:

347 antigenic peptide used in fusion proteins

349 <400> SEQUENCE: 7

351 Asp Tyr Lys Asp Asp Asp Asp Lys

352 1 5

355 <210> SEQ ID NO: 8

356 <211> LENGTH: 27

357 <212> TYPE: PRT

358 <213> ORGANISM: Artificial Sequence

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360 <220> FEATURE:

361 <223> OTHER INFORMATION: Description of Artificial Sequence: leucine zipper
polypeptide

363 <400> SEQUENCE: 8

365 Pro Asp Val Ala Ser Leu Arg Gln Gln Val Glu Ala Leu Gln Gly Gln

366 1 5 10 15

369 Val Gln His Leu Gln Ala Ala Phe Ser Gln Tyr

370 20 25

373 <210> SEQ ID NO: 9

374 <211> LENGTH: 33

375 <212> TYPE: PRT

376 <213> ORGANISM: Artificial Sequence

378 <220> FEATURE:

379 <223> OTHER INFORMATION: Description of Artificial Sequence: leucine zipper
polypeptide

381 <400> SEQUENCE: 9

383 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Leu Ser Lys Ile

384 1 5 10 15

387 Tyr His Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Gly Glu

388 20 25 30

391 Arg

VERIFICATION SUMMARY

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Input Set : A:\2883-US Sequence Listing.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date